

Tank ID **100-013** Tank Type **F** Roof Weight **133,280** API **10.00** Gravity Correction **2.70**
 Strapped By: HMT 10/11/2011 Floating Height **4-09-02**

<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>
0-00-00	59.74	3-06-00	6,686.01	7-00-00	13,713.66 F	10-06-00	21,122.21 F
0-01-00	97.96	3-07-00	6,862.46	7-01-00	13,890.05 F	10-07-00	21,298.62 F
0-02-00	149.99	3-08-00	7,038.90	7-02-00	14,066.44 F	10-08-00	21,475.04 F
0-03-00	218.50	3-09-00	7,215.35	7-03-00	14,242.83 F	10-09-00	21,651.45 F
0-04-00	300.80	3-10-00	7,391.80	7-04-00	14,419.22 F	10-10-00	21,827.86 F
0-05-00	394.07	3-11-00	7,568.25	7-05-00	14,595.61 F	10-11-00	22,004.28 F
0-06-00	502.23	4-00-00	7,744.69	7-06-00	14,772.00 F	11-00-00	22,180.69 F
0-07-00	624.26	4-01-00	7,921.10	7-07-00	14,948.39 F	11-01-00	22,357.11 F
0-08-00	754.81	4-02-00	8,097.49	7-08-00	15,124.77 F	11-02-00	22,533.52 F
0-09-00	894.54	4-03-00	8,273.87	7-09-00	15,301.16 F	11-03-00	22,709.93 F
0-10-00	1,048.94	4-04-00	8,450.26	7-10-00	15,477.55 F	11-04-00	22,886.35 F
0-11-00	1,217.91	4-05-00	8,626.65	7-11-00	15,653.94 F	11-05-00	23,062.76 F
1-00-00	1,393.28	4-06-00	8,803.04	8-00-00	15,830.33 F	11-06-00	23,239.17 F
1-01-00	1,569.66	4-07-00	8,979.43	8-01-00	16,006.72 F	11-07-00	23,415.59 F
1-02-00	1,746.05	4-08-00	9,155.82	8-02-00	16,183.11 F	11-08-00	23,592.00 F
1-03-00	1,922.45	4-09-00	9,332.21	8-03-00	16,359.50 F	11-09-00	23,768.41 F
1-04-00	2,098.85	4-10-00	9,460.97 F	8-04-00	16,535.88 F	11-10-00	23,944.83 F
1-05-00	2,275.24	4-11-00	9,510.34 F	8-05-00	16,712.27 F	11-11-00	24,121.24 F
1-06-00	2,451.64	5-00-00	9,559.72 F	8-06-00	16,888.66 F	12-00-00	24,297.66 F
1-07-00	2,628.03	5-01-00	9,656.72 F	8-07-00	17,065.05 F	12-01-00	24,474.07 F
1-08-00	2,804.42	5-02-00	9,833.11 F	8-08-00	17,241.44 F	12-02-00	24,650.48 F
1-09-00	2,980.81	5-03-00	10,009.50 F	8-09-00	17,417.83 F	12-03-00	24,826.90 F
1-10-00	3,157.21	5-04-00	10,185.89 F	8-10-00	17,594.22 F	12-04-00	25,003.31 F
1-11-00	3,333.61	5-05-00	10,362.28 F	8-11-00	17,770.61 F	12-05-00	25,179.72 F
2-00-00	3,509.98	5-06-00	10,538.67 F	9-00-00	17,947.00 F	12-06-00	25,356.14 F
2-01-00	3,686.41	5-07-00	10,715.05 F	9-01-00	18,123.38 F	12-07-00	25,532.55 F
2-02-00	3,862.86	5-08-00	10,891.44 F	9-02-00	18,299.77 F	12-08-00	25,708.96 F
2-03-00	4,039.31	5-09-00	11,067.83 F	9-03-00	18,476.16 F	12-09-00	25,885.38 F
2-04-00	4,215.76	5-10-00	11,244.22 F	9-04-00	18,652.55 F	12-10-00	26,061.79 F
2-05-00	4,392.21	5-11-00	11,420.61 F	9-05-00	18,828.94 F	12-11-00	26,238.20 F
2-06-00	4,568.65	6-00-00	11,597.00 F	9-06-00	19,005.33 F	13-00-00	26,414.62 F
2-07-00	4,745.09	6-01-00	11,773.39 F	9-07-00	19,181.72 F	13-01-00	26,591.03 F
2-08-00	4,921.54	6-02-00	11,949.78 F	9-08-00	19,358.11 F	13-02-00	26,767.45 F
2-09-00	5,097.99	6-03-00	12,126.16 F	9-09-00	19,534.49 F	13-03-00	26,943.86 F
2-10-00	5,274.43	6-04-00	12,302.55 F	9-10-00	19,710.90 F	13-04-00	27,120.27 F
2-11-00	5,450.88	6-05-00	12,478.94 F	9-11-00	19,887.32 F	13-05-00	27,296.69 F
3-00-00	5,627.33	6-06-00	12,655.33 F	10-00-00	20,063.73 F	13-06-00	27,473.10 F
3-01-00	5,803.77	6-07-00	12,831.72 F	10-01-00	20,240.14 F	13-07-00	27,649.51 F
3-02-00	5,980.22	6-08-00	13,008.11 F	10-02-00	20,416.56 F	13-08-00	27,825.93 F
3-03-00	6,156.67	6-09-00	13,184.50 F	10-03-00	20,592.97 F	13-09-00	28,002.34 F
3-04-00	6,333.12	6-10-00	13,360.89 F	10-04-00	20,769.38 F	13-10-00	28,178.75 F
3-05-00	6,509.56	6-11-00	13,537.28 F	10-05-00	20,945.80 F	13-11-00	28,355.17 F

All fractional values are to be calculated between the one inch values at the point of strapping

BOLD DENOTES ROOF CRITICAL ZONE

Tank ID **100-013** Tank Type **F** Roof Weight **133,280** API **10.00** Gravity Correction **2.70**
 Strapped By: HMT 10/11/2011 Floating Height **4-09-02**

<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>
14-00-00	28,531.58 F	17-06-00	35,940.95 F	21-00-00	43,351.48 F	24-06-00	50,764.05 F
14-01-00	28,708.00 F	17-07-00	36,117.37 F	21-01-00	43,527.97 F	24-07-00	50,940.54 F
14-02-00	28,884.41 F	17-08-00	36,293.78 F	21-02-00	43,704.46 F	24-08-00	51,117.03 F
14-03-00	29,060.82 F	17-09-00	36,470.19 F	21-03-00	43,880.95 F	24-09-00	51,293.52 F
14-04-00	29,237.24 F	17-10-00	36,646.61 F	21-04-00	44,057.44 F	24-10-00	51,470.00 F
14-05-00	29,413.65 F	17-11-00	36,823.02 F	21-05-00	44,233.93 F	24-11-00	51,646.49 F
14-06-00	29,590.06 F	18-00-00	36,999.43 F	21-06-00	44,410.42 F	25-00-00	51,822.98 F
14-07-00	29,766.48 F	18-01-00	37,175.85 F	21-07-00	44,586.91 F	25-01-00	51,999.47 F
14-08-00	29,942.89 F	18-02-00	37,352.26 F	21-08-00	44,763.40 F	25-02-00	52,175.96 F
14-09-00	30,119.30 F	18-03-00	37,528.68 F	21-09-00	44,939.89 F	25-03-00	52,352.45 F
14-10-00	30,295.72 F	18-04-00	37,705.09 F	21-10-00	45,116.38 F	25-04-00	52,528.94 F
14-11-00	30,472.13 F	18-05-00	37,881.50 F	21-11-00	45,292.87 F	25-05-00	52,705.43 F
15-00-00	30,648.54 F	18-06-00	38,057.92 F	22-00-00	45,469.36 F	25-06-00	52,881.92 F
15-01-00	30,824.96 F	18-07-00	38,234.33 F	22-01-00	45,645.85 F	25-07-00	53,058.41 F
15-02-00	31,001.37 F	18-08-00	38,410.74 F	22-02-00	45,822.34 F	25-08-00	53,234.90 F
15-03-00	31,177.79 F	18-09-00	38,587.16 F	22-03-00	45,998.83 F	25-09-00	53,411.39 F
15-04-00	31,354.20 F	18-10-00	38,763.57 F	22-04-00	46,175.32 F	25-10-00	53,587.88 F
15-05-00	31,530.61 F	18-11-00	38,939.98 F	22-05-00	46,351.81 F	25-11-00	53,764.37 F
15-06-00	31,707.03 F	19-00-00	39,116.40 F	22-06-00	46,528.30 F	26-00-00	53,940.86 F
15-07-00	31,883.44 F	19-01-00	39,292.81 F	22-07-00	46,704.79 F	26-01-00	54,117.35 F
15-08-00	32,059.85 F	19-02-00	39,469.22 F	22-08-00	46,881.28 F	26-02-00	54,293.84 F
15-09-00	32,236.27 F	19-03-00	39,645.64 F	22-09-00	47,057.76 F	26-03-00	54,470.33 F
15-10-00	32,412.68 F	19-04-00	39,822.05 F	22-10-00	47,234.25 F	26-04-00	54,646.82 F
15-11-00	32,589.09 F	19-05-00	39,998.47 F	22-11-00	47,410.74 F	26-05-00	54,823.31 F
16-00-00	32,765.51 F	19-06-00	40,174.88 F	23-00-00	47,587.23 F	26-06-00	54,999.80 F
16-01-00	32,941.92 F	19-07-00	40,351.29 F	23-01-00	47,763.72 F	26-07-00	55,176.29 F
16-02-00	33,118.34 F	19-08-00	40,527.71 F	23-02-00	47,940.21 F	26-08-00	55,352.78 F
16-03-00	33,294.75 F	19-09-00	40,704.14 F	23-03-00	48,116.70 F	26-09-00	55,529.27 F
16-04-00	33,471.16 F	19-10-00	40,880.63 F	23-04-00	48,293.19 F	26-10-00	55,705.76 F
16-05-00	33,647.58 F	19-11-00	41,057.12 F	23-05-00	48,469.68 F	26-11-00	55,882.24 F
16-06-00	33,823.99 F	20-00-00	41,233.61 F	23-06-00	48,646.17 F	27-00-00	56,058.73 F
16-07-00	34,000.40 F	20-01-00	41,410.10 F	23-07-00	48,822.66 F	27-01-00	56,235.22 F
16-08-00	34,176.82 F	20-02-00	41,586.59 F	23-08-00	48,999.15 F	27-02-00	56,411.71 F
16-09-00	34,353.23 F	20-03-00	41,763.08 F	23-09-00	49,175.64 F	27-03-00	56,588.20 F
16-10-00	34,529.64 F	20-04-00	41,939.57 F	23-10-00	49,352.13 F	27-04-00	56,764.69 F
16-11-00	34,706.06 F	20-05-00	42,116.06 F	23-11-00	49,528.62 F	27-05-00	56,941.18 F
17-00-00	34,882.47 F	20-06-00	42,292.55 F	24-00-00	49,705.11 F	27-06-00	57,117.67 F
17-01-00	35,058.88 F	20-07-00	42,469.04 F	24-01-00	49,881.60 F	27-07-00	57,294.16 F
17-02-00	35,235.30 F	20-08-00	42,645.52 F	24-02-00	50,058.09 F	27-08-00	57,470.65 F
17-03-00	35,411.71 F	20-09-00	42,822.01 F	24-03-00	50,234.58 F	27-09-00	57,647.14 F
17-04-00	35,588.13 F	20-10-00	42,998.50 F	24-04-00	50,411.07 F	27-10-00	57,823.63 F
17-05-00	35,764.54 F	20-11-00	43,174.99 F	24-05-00	50,587.56 F	27-11-00	58,000.12 F

All fractional values are to be calculated between the one inch values at the point of strapping

BOLD DENOTES ROOF CRITICAL ZONE

Tank ID **100-013** Tank Type **F** Roof Weight **133,280** API **10.00** Gravity Correction **2.70**
 Strapped By: HMT 10/11/2011 Floating Height **4-09-02**

<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>
28-00-00	58,176.61 F	31-06-00	65,589.87 F	35-00-00	73,003.78 F	38-06-00	80,418.60 F
28-01-00	58,353.10 F	31-07-00	65,766.39 F	35-01-00	73,180.30 F	38-07-00	80,595.21 F
28-02-00	58,529.59 F	31-08-00	65,942.91 F	35-02-00	73,356.82 F	38-08-00	80,771.82 F
28-03-00	58,706.08 F	31-09-00	66,119.43 F	35-03-00	73,533.34 F	38-09-00	80,948.44 F
28-04-00	58,882.57 F	31-10-00	66,295.96 F	35-04-00	73,709.86 F	38-10-00	81,125.05 F
28-05-00	59,059.06 F	31-11-00	66,472.48 F	35-05-00	73,886.38 F	38-11-00	81,301.66 F
28-06-00	59,235.55 F	32-00-00	66,649.00 F	35-06-00	74,062.91 F	39-00-00	81,478.27 F
28-07-00	59,412.04 F	32-01-00	66,825.52 F	35-07-00	74,239.43 F	39-01-00	81,654.88 F
28-08-00	59,588.53 F	32-02-00	67,002.04 F	35-08-00	74,415.95 F	39-02-00	81,831.49 F
28-09-00	59,765.02 F	32-03-00	67,178.56 F	35-09-00	74,592.47 F	39-03-00	82,008.10 F
28-10-00	59,941.51 F	32-04-00	67,355.08 F	35-10-00	74,768.99 F	39-04-00	82,184.71 F
28-11-00	60,118.00 F	32-05-00	67,531.61 F	35-11-00	74,945.51 F	39-05-00	82,361.32 F
29-00-00	60,294.48 F	32-06-00	67,708.13 F	36-00-00	75,122.04 F	39-06-00	82,537.94 F
29-01-00	60,470.97 F	32-07-00	67,884.65 F	36-01-00	75,298.56 F	39-07-00	82,714.55 F
29-02-00	60,647.46 F	32-08-00	68,061.17 F	36-02-00	75,475.08 F	39-08-00	82,891.16 F
29-03-00	60,823.95 F	32-09-00	68,237.69 F	36-03-00	75,651.60 F	39-09-00	83,067.77 F
29-04-00	61,000.44 F	32-10-00	68,414.21 F	36-04-00	75,828.12 F	39-10-00	83,244.38 F
29-05-00	61,176.93 F	32-11-00	68,590.74 F	36-05-00	76,004.64 F	39-11-00	83,420.99 F
29-06-00	61,353.42 F	33-00-00	68,767.26 F	36-06-00	76,181.16 F	40-00-00	83,597.60 F
29-07-00	61,529.91 F	33-01-00	68,943.78 F	36-07-00	76,357.69 F	40-01-00	83,774.21 F
29-08-00	61,706.40 F	33-02-00	69,120.30 F	36-08-00	76,534.21 F	40-02-00	83,950.83 F
29-09-00	61,882.92 F	33-03-00	69,296.82 F	36-09-00	76,710.73 F	40-03-00	84,127.44 F
29-10-00	62,059.44 F	33-04-00	69,473.34 F	36-10-00	76,887.25 F	40-04-00	84,304.05 F
29-11-00	62,235.96 F	33-05-00	69,649.87 F	36-11-00	77,063.77 F	40-05-00	84,480.66 F
30-00-00	62,412.48 F	33-06-00	69,826.39 F	37-00-00	77,240.29 F	40-06-00	84,657.27 F
30-01-00	62,589.00 F	33-07-00	70,002.91 F	37-01-00	77,416.82 F	40-07-00	84,833.88 F
30-02-00	62,765.52 F	33-08-00	70,179.43 F	37-02-00	77,593.34 F	40-08-00	85,010.49 F
30-03-00	62,942.04 F	33-09-00	70,355.95 F	37-03-00	77,769.86 F	40-09-00	85,187.10 F
30-04-00	63,118.57 F	33-10-00	70,532.47 F	37-04-00	77,946.38 F	40-10-00	85,363.72 F
30-05-00	63,295.09 F	33-11-00	70,709.00 F	37-05-00	78,122.90 F	40-11-00	85,540.33 F
30-06-00	63,471.61 F	34-00-00	70,885.52 F	37-06-00	78,299.42 F	41-00-00	85,716.94 F
30-07-00	63,648.13 F	34-01-00	71,062.04 F	37-07-00	78,475.95 F	41-01-00	85,893.55 F
30-08-00	63,824.65 F	34-02-00	71,238.56 F	37-08-00	78,652.49 F	41-02-00	86,070.16 F
30-09-00	64,001.17 F	34-03-00	71,415.08 F	37-09-00	78,829.10 F	41-03-00	86,246.77 F
30-10-00	64,177.70 F	34-04-00	71,591.60 F	37-10-00	79,005.71 F	41-04-00	86,423.38 F
30-11-00	64,354.22 F	34-05-00	71,768.12 F	37-11-00	79,182.32 F	41-05-00	86,599.99 F
31-00-00	64,530.74 F	34-06-00	71,944.65 F	38-00-00	79,358.93 F	41-06-00	86,776.60 F
31-01-00	64,707.26 F	34-07-00	72,121.17 F	38-01-00	79,535.55 F	41-07-00	86,953.22 F
31-02-00	64,883.78 F	34-08-00	72,297.69 F	38-02-00	79,712.16 F	41-08-00	87,129.83 F
31-03-00	65,060.30 F	34-09-00	72,474.21 F	38-03-00	79,888.77 F	41-09-00	87,306.44 F
31-04-00	65,236.83 F	34-10-00	72,650.73 F	38-04-00	80,065.38 F	41-10-00	87,483.05 F
31-05-00	65,413.35 F	34-11-00	72,827.25 F	38-05-00	80,241.99 F	41-11-00	87,659.66 F

All fractional values are to be calculated between the one inch values at the point of strapping

BOLD DENOTES ROOF CRITICAL ZONE

Tank Strapping Detail Report

Tank ID **100-013** Tank Type **F** Roof Weight **133,280** API **10.00** Gravity Correction **2.70**
 Strapped By: HMT 10/11/2011 Floating Height **4-09-02**

<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>
42-00-00	87,836.27 F	45-06-00	95,253.94 F	49-00-00	102,673.83 F	52-06-00	110,093.78 F
42-01-00	88,012.88 F	45-07-00	95,430.55 F	49-01-00	102,850.50 F	52-07-00	110,270.45 F
42-02-00	88,189.49 F	45-08-00	95,607.21 F	49-02-00	103,027.16 F	52-08-00	110,447.12 F
42-03-00	88,366.11 F	45-09-00	95,783.87 F	49-03-00	103,203.83 F	52-09-00	110,623.78 F
42-04-00	88,542.72 F	45-10-00	95,960.54 F	49-04-00	103,380.49 F	52-10-00	110,800.45 F
42-05-00	88,719.33 F	45-11-00	96,137.20 F	49-05-00	103,557.16 F	52-11-00	110,977.11 F
42-06-00	88,895.94 F	46-00-00	96,313.87 F	49-06-00	103,733.82 F	53-00-00	111,153.78 F
42-07-00	89,072.55 F	46-01-00	96,490.53 F	49-07-00	103,910.49 F	53-01-00	111,330.44 F
42-08-00	89,249.16 F	46-02-00	96,667.20 F	49-08-00	104,087.15 F	53-02-00	111,507.11 F
42-09-00	89,425.77 F	46-03-00	96,843.86 F	49-09-00	104,263.82 F	53-03-00	111,683.78 F
42-10-00	89,602.38 F	46-04-00	97,020.53 F	49-10-00	104,440.49 F	53-04-00	111,860.44 F
42-11-00	89,779.00 F	46-05-00	97,197.20 F	49-11-00	104,617.15 F	53-05-00	112,037.11 F
43-00-00	89,955.61 F	46-06-00	97,373.86 F	50-00-00	104,793.82 F	53-06-00	112,213.77 F
43-01-00	90,132.22 F	46-07-00	97,550.53 F	50-01-00	104,970.48 F	53-07-00	112,390.44 F
43-02-00	90,308.83 F	46-08-00	97,727.19 F	50-02-00	105,147.15 F		
43-03-00	90,485.44 F	46-09-00	97,903.86 F	50-03-00	105,323.81 F		
43-04-00	90,662.05 F	46-10-00	98,080.52 F	50-04-00	105,500.48 F		
43-05-00	90,838.66 F	46-11-00	98,257.19 F	50-05-00	105,677.14 F		
43-06-00	91,015.27 F	47-00-00	98,433.86 F	50-06-00	105,853.81 F		
43-07-00	91,191.88 F	47-01-00	98,610.52 F	50-07-00	106,030.48 F		
43-08-00	91,368.50 F	47-02-00	98,787.19 F	50-08-00	106,207.14 F		
43-09-00	91,545.11 F	47-03-00	98,963.85 F	50-09-00	106,383.81 F		
43-10-00	91,721.72 F	47-04-00	99,140.52 F	50-10-00	106,560.47 F		
43-11-00	91,898.33 F	47-05-00	99,317.18 F	50-11-00	106,737.14 F		
44-00-00	92,074.94 F	47-06-00	99,493.85 F	51-00-00	106,913.80 F		
44-01-00	92,251.55 F	47-07-00	99,670.51 F	51-01-00	107,090.47 F		
44-02-00	92,428.16 F	47-08-00	99,847.18 F	51-02-00	107,267.14 F		
44-03-00	92,604.77 F	47-09-00	100,023.85 F	51-03-00	107,443.80 F		
44-04-00	92,781.39 F	47-10-00	100,200.51 F	51-04-00	107,620.47 F		
44-05-00	92,958.00 F	47-11-00	100,377.18 F	51-05-00	107,797.13 F		
44-06-00	93,134.61 F	48-00-00	100,553.84 F	51-06-00	107,973.80 F		
44-07-00	93,311.22 F	48-01-00	100,730.51 F	51-07-00	108,150.46 F		
44-08-00	93,487.83 F	48-02-00	100,907.17 F	51-08-00	108,327.13 F		
44-09-00	93,664.44 F	48-03-00	101,083.84 F	51-09-00	108,503.79 F		
44-10-00	93,841.05 F	48-04-00	101,260.50 F	51-10-00	108,680.46 F		
44-11-00	94,017.66 F	48-05-00	101,437.17 F	51-11-00	108,857.13 F		
45-00-00	94,194.28 F	48-06-00	101,613.84 F	52-00-00	109,033.79 F		
45-01-00	94,370.89 F	48-07-00	101,790.50 F	52-01-00	109,210.46 F		
45-02-00	94,547.50 F	48-08-00	101,967.17 F	52-02-00	109,387.12 F		
45-03-00	94,724.11 F	48-09-00	102,143.83 F	52-03-00	109,563.79 F		
45-04-00	94,900.72 F	48-10-00	102,320.50 F	52-04-00	109,740.45 F		
45-05-00	95,077.33 F	48-11-00	102,497.16 F	52-05-00	109,917.12 F		

All fractional values are to be calculated between the one inch values at the point of strapping

BOLD DENOTES ROOF CRITICAL ZONE